

AUTOCOM®

The Audio Interactive
Dynamics Processor
Model MDX 1200

VERSION 2.1 November 1995

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CONTROLS

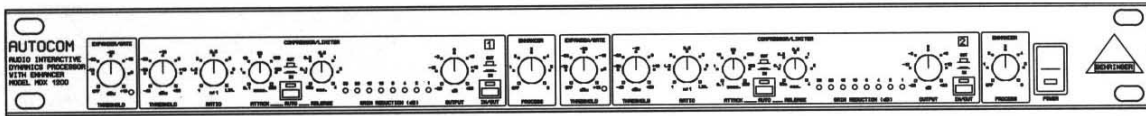


Fig. 7 Front panel layout of the AUTO COM

The Behringer AUTO COM has two identical channels. Each channel is equipped with 2 push button switches, 7 rotary controls and 9 LEDs.

5.1 EXPANDER/GATE SECTION

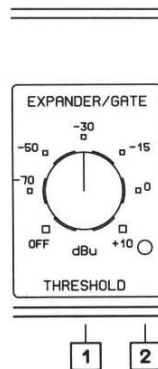


Fig. 8 Controls of the Expander/Gate section

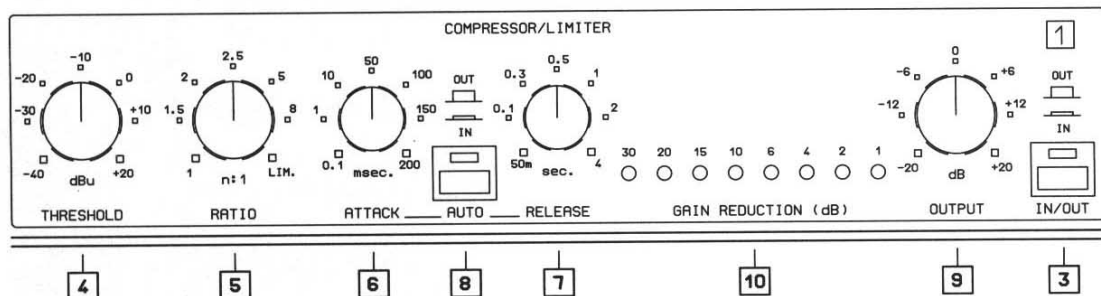
1 THRESHOLD control

This control adjusts the threshold level for the expander/gate section in the range of BYPASS to +10 dBu. Signals below this level cause attenuation.

2 CLOSE LED

This LED illuminates when expansion occurs.

5.2 COMPRESSOR/LIMITER SECTION



3 IN/OUT switch

This switch activates the corresponding channel. The IN/OUT switch is used to make direct A/B comparisons between original material and processed signal.

4 THRESHOLD control

This control sets the threshold point for the compressor section. It has a range of -40 to +20 dBu.

5 RATIO control

The RATIO control determines the ratio between the input and output level for all signals exceeding the threshold point. The ratio range can be adjusted from 1:1 to LIM (Limiter).

6 ATTACK control

The ATTACK control determines the rate by which the compressor responds to the signal which exceeds the threshold. This control can be adjusted from 0.1 to 200 milliseconds.

7 RELEASE control

The RELEASE control determines the rate that the compressor returns to unity gain after falling below the threshold level. This control can be adjusted from 0.05 to 4 seconds.

8 AUTO switch

By activating the AUTO switch, the ATTACK and RELEASE controls are disabled and the attack and release rates are automatically derived from the programme material. This function allows for unobtrusive musical compression of signals or mixes with widely varying dynamics.

9 OUTPUT control

The OUTPUT control allows for the increase or decrease of the output signal by a maximum of 20 dB. Thus, a level loss due to the compression or limiting process can be compensated for.

10 GAIN REDUCTION meter

The 8-stage GAIN REDUCTION meter indicates the actual gain reduction and displays this in a range of 0 to 30 dB.

5.3 DYNAMIC ENHANCER SECTION

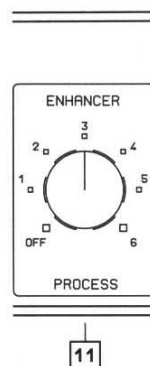


Fig. 10 Controls of the Dynamic Enhancer section

11 PROCESS control

This control sets the available amount of enhancement between Off and 6. Dynamic enhancement allows you to replenish any high frequencies lost through the compression process for absolutely natural sounding dynamics control. Enhancement is only added when compression is taking place.

THE BACK PANEL LAYOUT OF THE AUTOCOM

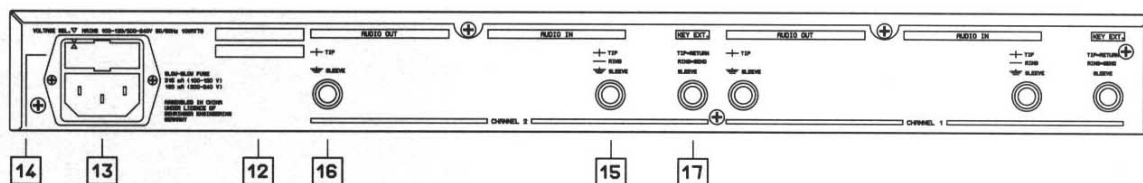


Fig. 11 The back panel layout of the AUTOCOM

12 SERIAL NUMBER

Please take the time to make a note of the serial number in the space provided on the enclosed warranty registration card. Put the instruction manual in a safe place and return the completed warranty registration card to us within 8 days of purchase, making sure that the dealer stamp has been acquired.

13 MAINS CONNECTOR

Please use the enclosed mains cable to connect the unit to the mains power supply.

14 FUSE HOLDER/VOLTAGE SELECTOR

Please note that, depending on the mains voltage supplied to the unit, the correct fuse type and rate must be installed.

Please note that the AC voltage selection is defined by the position of the fuse holder. If you intend to change the operating voltage, remove the fuse holder and twist it by 180 degrees before you reinsert it. Matching the two markers monitors the selected voltage.

Before you connect the unit, please make sure that the displayed voltage corresponds to your mains supply.

15 AUDIO IN

This is the audio input of one channel of the AUTOCOM.

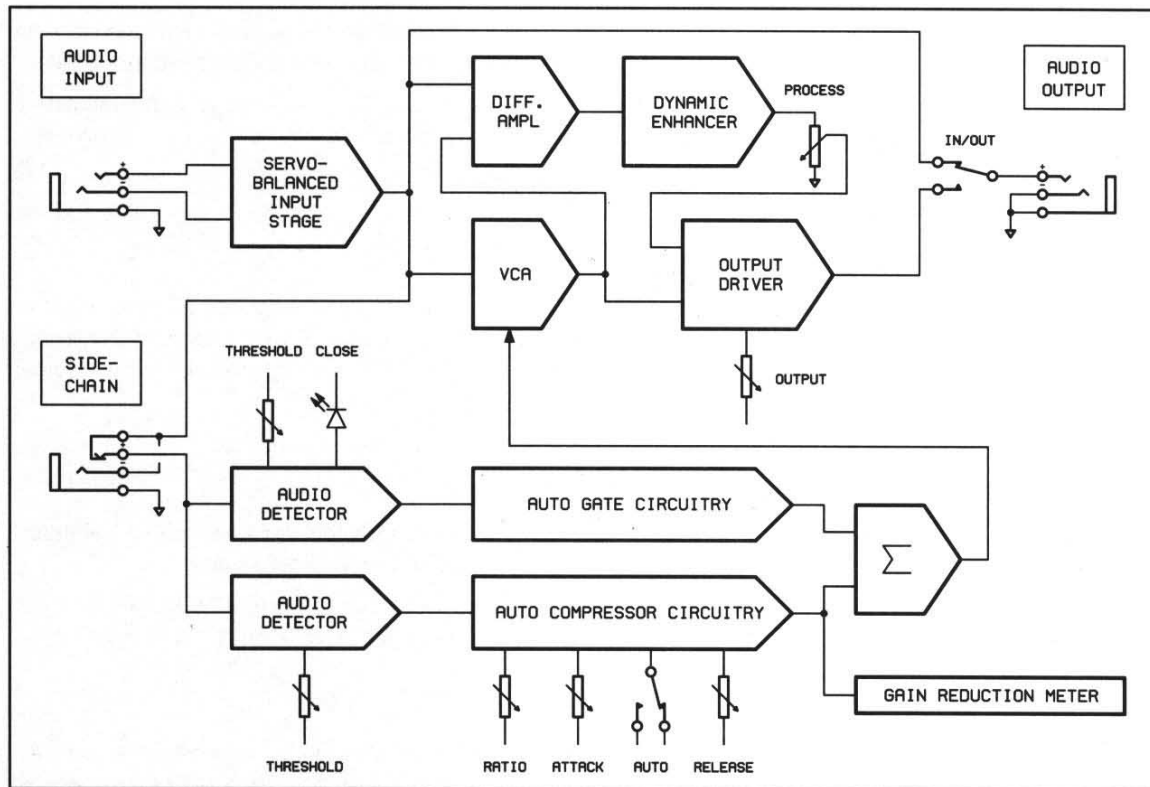
16 AUDIO OUT

This is the audio output of one channel of the AUTOCOM.

17 KEY INSERT

This is the insert point which enables the unit to be controlled externally e.g to operate it frequency conscious via an equalizer. You can use the connector as a pure input (mono jack connector) or as an insert (stereo jack connector). In this case please use a special insert cable which splits up one stereo into two mono jack connectors. The ring of the KEY connector carries the units output signal and the tip receives the processed signal from an external unit.

BLOCK DIAGRAM



TECHNISCHE DATEN

AUDIO-EINGANG

Typ	HF-entstörter, servo-symmetrierter Eingang
Impedanz	60 kOhm, symmetrisch
Nominaler Arbeitspegel	-10 dBV bis +4 dBu
Max. Eingangspegel	+21 dBu symmetrisch und unsymmetrisch
CMR @ 1 kHz	>40 dB

KEY-EINGANG

Typ	DC-entkoppelter, unsymmetrischer Eingang
Impedanz	>20 kOhm
Max. Eingangspegel	+21 dBu

AUDIO-AUSGANG

Typ	Elektronisch gepufferte Ausgangsendstufe
Impedanz	>40 Ohm
Max. Ausgangspegel	+21 dBm
Bandbreite	5 Hz bis 50 kHz, +0, -1 dB
THD @ +4 dBu	0,05 % typ.
THD @ +20 dBu	0,1 % typ.
IMD (SMPTE) @ +10 dBu	0,01 % typ.
Rauschabstand, Verstärkung 1	>-93 dBu
Rauschabstand, 20 dB Abschwächung	>-97 dBu
Übersprechen @ 20 kHz	>-85 dBu
CMR @ 1 kHz	>60 dB

KOMPRESSOR-SEKTION

Typ	IKC (Interactive Knee Control) Kompressor
Threshold	variabel (-40 bis +20 dBu)
Ratio	variabel (1:1 bis LIM.)
Attack	variabel (0,1 bis 200 msec./20 dB)
Release	variabel (0,05 bis 4 sec./20 dB)
Output	variabel (-20 bis +20 dB)

GATE-SEKTION

Typ	IRC (Interactive Ratio Control) Expander/Gate
Threshold	variabel (Off bis +10 dBu)

DYNAMIC ENHANCER-SEKTION

Typ	Dynamisch gesteuerte Frequenzgangkorrektur
Process	variabel (Off bis 6)

FUNKTIONSSCHALTER

In/Out	Bypass-Schalter
Auto	Programmabhängige Attack- und Release-Zeiten

ANZEIGEN

CLOSE-LED	LED zeigt den Einsatz der Expander/Gate-Sektion an
8-stellige GAIN REDUCTION-Anzeige	1/2/4/6/10/15/20/30 dB
LED-Anzeige jeder Schalterfunktion	

STROMVERSORGUNG

Netzspannung	100-120/200-240 VAC 50-60 Hz
Leistungsaufnahme	9 Watt
Sicherung	320 mA (100-120 V) bzw. 160 mA (200-240 V) träge
Netzanschluß	Standard-Kaltgeräteanschluß

ABMESSUNGEN/GEWICHT

Abmessungen	13/4" (44,5 mm)H * 19" (482,6 mm) * 8,5" (217 mm)
Gewicht	3 kg
Transportgewicht	4,3 kg